

AMENDMENTS TO THE CLAIMS

I-29. (Canceled)

30. (Currently amended) An optical system having an optical module, the optical module comprising:

an optical element including a light receiving portion, said light receiving portion being between a shielding layer and a lens;

an optical filter between said lens and a diaphragm portion of a lens barrel, an opening through said diaphragm portion exposing said optical filter;

a plate between said lens barrel and a wiring board, said wiring board being between said optical element and said plate,

wherein said plate is of a first material, said wiring board being of a material other than said first material,

wherein said light receiving portion and said lens are disposed along an optical axis,

wherein a through-hole extends through said lens barrel, said plate, and said wiring board,

wherein said optical axis extends through said opening, said optical filter, and said through-hole,

wherein said lens barrel is in an inner periphery of a holder, said plate being between said holder and said wiring board.

31. (Previously presented) The optical system of claim 30, wherein said optical filter and said lens are moveable in a direction along said optical axis.

32. (Previously presented) The optical system of claim 30, wherein said optical filter is an infrared cutting filter.

33. (Canceled)

34. (Currently amended) The optical system of claim 30, 33, wherein said lens barrel contacts said holder.

35. (Previously presented) The optical system of claim 30, wherein said diaphragm portion contacts said optical filter.

36. (Previously presented) The optical system of claim 30, wherein said lens barrel contacts said lens.

37. (Previously presented) The optical system of claim 30, wherein said lens barrel contacts said plate.

38. (Previously presented) The optical system of claim 30, wherein said plate contacts said wiring board.

39. (Previously presented) The optical system of claim 30, wherein bumps electrically connect said wiring board with said optical element.

40. (Previously presented) The optical system of claim 30, wherein said first material is a metal.

41. (Previously presented) The optical system of claim 30, wherein the shielding layer is a metal layer.

42. (Previously presented) The optical system of claim 30, wherein said shielding layer is a resin layer.

43. (Previously presented) The optical system of claim 42, wherein a portion of said resin layer is in contact with said wiring board.

44. (Previously presented) An imaging device comprising:
the optical system according to claim 30.

45. (Previously presented) A camera system using a camera module comprising:
the optical system according to claim 30.